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21 Computational aspects of resilient data extraction from semistructured 80%

sources (extended abstract)

Hasan Davulcu , Guizhen Yang , Michael Kifer , I. V. Ramakrishnan

Proceedings of the nineteenth ACM SIGMOD-SIGACT-SIGART symposium on Principles of database systems May 2000

Automatic data extraction from semistructured sources such as HTML pages is rapidly growing into a problem of significant importance, spurred by the growing popularity of the so called "shopbots" that enable end users to compare prices of goods and other services at various web sites without having to manually browse and fill out forms at each one of these sites. The main problem one has to contend with when designing data extraction techniques is that the contents of ...

22 Indexing and retrieval of scientific literature 80%

Steve Lawrence , Kurt Bollacker , C. Lee Giles

Proceedings of the eighth international conference on Information and knowledge management November 1999

The web has greatly improved access to scientific literature. However, scientific articles on the web are largely disorganized, with research articles being spread across archive sites, institution sites, journal sites, and researcher homepages. No index covers all of the available literature, and the major web search engines typically do not index the content of Postscript/PDF documents at all. This paper discusses the creation of digital libraries of scientific literature on the web, incl ...

23 Training a selection function for extraction 80%

Chin-Yew Lin

Proceedings of the eighth international conference on Information and knowledge management November 1999

In this paper we compare performance of several heuristics in generating informative generic/query-oriented extracts for newspaper articles in order to learn how topic prominence affects the performance of each heuristic. We study how different query types can affect the performance of each heuristic and discuss the possibility of using machine learning algorithms to automatically learn good combination functions to combine several heuristics. We also briefly describe the design, implementa ...

24 Conference review 80%
 Stuart Lowry
intelligence September 1999
Volume 10 Issue 3

25 Privacy interfaces for information management 80%
 Tessa Lau , Oren Etzioni , Daniel S. Weld
Communications of the ACM October 1999
Volume 42 Issue 10

26 A personal news agent that talks, learns and explains 80%
 Daniel Billsus , Michael J. Pazzani
Proceedings of the third annual conference on Autonomous Agents April 1999

27 WebMate 80%
 Liren Chen , Katia Sycara
Proceedings of the second international conference on Autonomous agents May 1998

28 Experiences with selecting search engines using metasearch 80%
 Daniel Dreilinger , Adele E. Howe
ACM Transactions on Information Systems (TOIS) July 1997
Volume 15 Issue 3
Search engines are among the most useful and high-profile resources on the Internet. The problem of finding information on the Internet has been replaced with the problem of knowing where search engines are, what they are designed to retrieve, and how to use them. This article describes and evaluates SavvySearch, a metasearch engine designed to intelligently select and interface with multiple remote search engines. The primary metasearch issue examined is the importance of carefully selecti ...

29 Strategic directions in database systems—breaking out of the box 80%
 Avi Silberschatz , Stan Zdonik
ACM Computing Surveys (CSUR) December 1996
Volume 28 Issue 4

30 Session 9A: applications in commerce: CoMMA 80%
 Federico Bergenti , Agostino Poggi , Giovanni Rimassa , Paola Turci
Proceedings of the first international joint conference on Autonomous agents and multiagent systems: part 3 July 2002
In this paper, we present CoMMA (Corporate Memory Management through Agents), an open, agent-based system for the management of a corporate memory that was realized integrating several emerging technologies: agent technology, knowledge modeling, XML technology, information retrieval and machine learning techniques. In particular, the system has been realized to help users in the management of an organization corporate memory and in particular to facilitate the creation, dissemination, transmissi ...

31 Corpus Linguistics: Mining the web to create minority language corpora 80%
 Rayid Ghani , Rosie Jones , Dunja Mladenić
Proceedings of the tenth international conference on Information and knowledge management October 2001
The Web is a valuable source of language specific resources but the process of collecting, organizing and utilizing these resources is difficult. We describe CorpusBuilder, an approach for automatically generating Web-search queries for collecting documents in a minority language.

It differs from pseudo relevance feedback in that retrieved documents are labeled by an automatic language classifier as relevant or irrelevant, and this feedback is used to generate new queries. We experiment with var ...

32 PVA

80%

 Chien Chin Chen , Meng Chang Chen , Yeali Sun

Proceedings of the seventh ACM SIGKDD international conference on Knowledge discovery and data mining August 2001

In this paper, we present PVA, an adaptive personal view information agent system to track, learn and manage, user's interests in Internet documents. When user's interests change, PVA, in not only the contents, but also in the structure of user profile, is modified to adapt to the changes. Experimental results show that modulating the structure of user profile does increase the accuracy of personalization systems.

33 P11: Finding scientific papers with homepage search and MOPS

80%

 Gerd Hoff , Martin Mundhenk

Annual ACM Conference on Systems Documentation October 2001

The fast dissemination of new research results on the world-wide web poses new challenges for search engines. In this paper we describe a new approach to seek scientific papers relevant to a pre-defined research area. Different from other approaches, we do not search for web pages which contain certain keywords, but we search for web pages which are created by scientists who are active in the research area under consideration. The names of these scientists are obtained from the DBLP server [9]. ...

34 News

80%

 Douglas Blank

intelligence June 2001

Volume 12 Issue 2

35 Topical locality in the Web

80%

 Brian D. Davison

Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval July 2000

36 Extracting sentence segments for text summarization

80%

 Wesley T. Chuang , Jihoon Yang

Proceedings of the 23rd annual international ACM SIGIR conference on Research and development in information retrieval July 2000

37 Knowledge-based metadata extraction from PostScript files

80%

 Giovanni Giuffrida , Eddie C. Shek , Jihoon Yang

Proceedings of the fifth ACM conference on Digital libraries June 2000

The automatic document metadata extraction process is an important task in a world where thousands of documents are just one ``click'' away. Thus, powerful indices are necessary to support effective retrieval. The upcoming XML standard represents an important step in this direction as its semistructured representation conveys document metadata together with the text of the document. For example, retrieval of scientific papers by authors or affiliations would be a s ...

38 A learning agent for wireless news access

80%

 Daniel Billsus , Michael J. Pazzani , James Chen

Proceedings of the 5th international conference on Intelligent user interfaces January 2000

We describe a user interface for wireless information devices, specifically designed to facilitate

learning about users' individual interests in daily news stories. User feedback is collected unobtrusively to form the basis for a content-based machine learning algorithm. As a result, the described system can adapt to users' individual interests, reduce the amount of information that needs to be transmitted, and help users access relevant information with minimal effort.

39 Learning routing queries in a query zone

80%

 Amit Singhal , Mandar Mitra , Chris Buckley

ACM SIGIR Forum , Proceedings of the 20th annual international ACM SIGIR conference on Research and development in information retrieval July 1997

Volume 31 Issue SI

40 The Datacycle architecture

80%

 T. F. Bowen , G. Gopal , G. Herman , T. Hickey , K. C. Lee , W. H. Mansfield , J. Raitz , A. Weinrib

Communications of the ACM December 1992

Volume 35 Issue 12

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